## BRUHATH BANGALORE MAHANAGARA PALIKE

**Yalahanka ELECTRICAL DIVISION**

## PRE MEASUREMENT BOOK

**Name of work** :-Annual Maintenance and repairs of street lights in ward no 08 Package Y -08 of Yelahanka Zone.

**Name of Contractror of nature of Agency:-**M/s Jaicab Electricals

**Job Code No:-**008-22-000004

**Ref no and Date of commencement of work:-**:- EE/Ele/YZ//WO/000008 /22-23 Date:01/04/2022

**Aggrement No & date:-**

**Measurement Book No:** **Page No:**

**Bill NO** :- 5th RA Bill Bill Period : 01-12-2022 to 31-12-2022 (for 1 months)

| Sl. No. | Description | Unit | Period in Months | Present Measurements | | |
|---|---|---|---|---|---|---|
| | | | | Qty | Tender Full Rate | Cost |
| 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems. | Each | 1 | 97 | 57.12 | 5540.64 |
| 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems. | Each | 1 | 140 | 63.02 | 8822.80 |
| 3 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems. | Each | 1 | 2030 | 84.95 | 172448.50 |
| 4 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems. | Each | 1 | 80 | 93.17 | 7453.60 |

3/1/23

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems. | Each | 1 | 98 | 73.33 | 7186.34 |
| 6 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems. | Each | 1 | 27 | 95.61 | 2581.47 |
| 7 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems. | Each | 1 | 476 | 114.80 | 54644.80 |
| 8 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system | Each | 1 | 28 | 131.29 | 3676.12 |

CFC

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| | | | | | | |
|---|---|---|---|---|---|---|
| | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system | Each | 1 | 0 | 155.95 | 0.00 |
| 10 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole. | Nos | - | 0 | 550.00 | 0.00 |
| 11 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole. | Nos | - | 0 | 770.00 | 0.00 |
| 12 | Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps | Nos | - | 0 | 7200.00 | 0.00 |
| 13 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. | Each | - | 0 | 4030.00 | 0.00 |
| 14 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP | Each | - | 0 | 723.00 | 0.00 |
| | **TOTAL Rs** | | | | | 262354.27 |
| | Add GST 12 % on item no 10 to 14 | | | | | 0.00 |
| | **TOTAL Rs** | | | | | **262354.27** |
| | Fine imposed for non burning of street lights For the period of 01/12/2022 to31/12/2022 | | | | | 3900.00 |
| | As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material | | | | | 5247.09 |
| | **GRAND TOTAL** | | | | | **253207.18** |

**CERTIFICATE**

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| | | | | | | |
|---|---|---|---|---|---|---|
| | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system | Each | 1 | 0 | 155.95 | 0.00 |
| 10 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole. | Nos | - | 0 | 550.00 | 0.00 |
| 11 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole. | Nos | - | 0 | 770.00 | 0.00 |
| 12 | Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps | Nos | - | 0 | 7200.00 | 0.00 |
| 13 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. | Each | - | 0 | 4030.00 | 0.00 |
| 14 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP | Each | - | 0 | 723.00 | 0.00 |
| | **TOTAL Rs** | | | | | 262354.27 |
| | Add GST 12 % on item no 10 to 14 | | | | | 0.00 |
| | **TOTAL Rs** | | | | | **262354.27** |
| | Fine imposed for non burning of street lights For the period of 01/12/2022 to31/12/2022 | | | | | 3900.00 |
| | As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material | | | | | 5247.09 |
| | **GRAND TOTAL** | | | | | **253207.18** |

**CERTIFICATE**

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Assistant Executive Engineer (Ele)
BBMP, Bangalore